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NO. 3529 P. 3

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Docket No.: 21282-00046-US1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Patent Application of:
Vincenc Nemanic et al.

MAR 21 2005

Application No.: 10/522,740

Confirmation No.: N/A

Filed: February 1, 2005

Art Unit: N/A

For: USE OF QUASI-ONE-DIMENSIONAL
TRANSITION METAL TERNARY
COMPOUNDS AND QUASI-ONE-
DIMENSIONAL TRANSITION METAL
CHALCOGENIDE COMPOUNDS AS
ELECTRON EMITTERS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the date of entry of the national stage of an international application as set forth in 37 CFR 1.491 (37 CFR 1.97(b)(2)).

A copy of each reference on the PTO/SB/08 is attached.

379259

Application No.: Not Yet Assigned

Docket No.: 21282-00046-US1

A concise explanation of relevance of the items listed on form PTO/SB/08 is in the form of an English language copy of a Search Report from a foreign patent office, issued in PCT/SI03/00027, a counterpart application, which refers to the relevant portions of the references.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0185, under Order No. 21282-00046-US1.

Dated: 3-21-05

Respectfully submitted,

By 
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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| Substitute for form 1449A/B/PTO | | | | Complete if Known | |
| | | | | Application Number | 10/522,740 |
| | | | | Filing Date | February 1, 2005 |
| | | | | First Named Inventor | Vincenc Nemanic |
| | | | | Art Unit | N/A |
| | | | | Examiner Name | Not Yet Assigned |
| Sheet | 1 | of | 1 | Attorney Docket Number | 21282-00046-US1 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number ⁴ -Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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| | CA | "A New Type of One-Dimensional Compound: Structure of Nb ₄ (Te ₂) ₄ Te ₄ " by Deng et al., <i>Acta Cryst.</i> , 1993, vol. C49, pages 1135-1137. | | | |
| | CB | "Field-emission properties of molybdenum disulfide nanotubes" by Nemanic et al. <i>Applied Physics Letters</i> , June 23, 2003, vol. 82, no. 25, pages 4573-4575. | | | |
| | CC | "Nb ₂ Se _{1.6} : A New Structural Variation of Niobium Chalcogenide Halides with Chain Structure" by Schmidt et al., <i>Z Anorg. Allg. Chem.</i> , 1999, vol. 625, pages 1056-1058. | | | |
| | CD | "New One-Dimensional V _b Transition Metal Tetrachalcogenides Structural and Transport Properties" by Gressier et al., <i>Journal de Physique</i> , June 1983, vol. 44, no. 06, pages C3-1741 - C3-1743. | | | |
| | CE | "Metallic Sub-Nanometer MoS _{2-x,y} Nanotubes" by Remskar et al., <i>Adv. Mater.</i> , February 5, 2002, vol. 15, no. 3, pages 237-240. | | | |

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| Examiner Signature 378258 | Date Considered |
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